

SCAN BAR AND METHOD FOR SCANNING AN IMAGE

ABSTRACT

5 A scanner is obtained having a subscan axis and having a scan bar including sensor elements positioned in at least one substantially linear array. Each array lies substantially in a plane defined by the subscan and scan-bar longitudinal axes. Each array is tilted with respect to a reference axis at a substantially nonzero angle which is fixed during any image scanning of the image used to create the final
10 scanned image. The reference axis lies in the plane and is substantially perpendicular to the subscan axis. Image scanning the image is performed by relatively moving the scan bar over the image along the subscan axis. One embodiment of the scan bar includes a scan bar body and includes sensor elements supported by the scan bar body and positioned substantially in a common plane in multiple substantially linear arrays,
15 wherein each array is tilted with respect to the scan-bar longitudinal axis.